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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/801,799	03/16/2004	Matthew B. MacLaurin	MS306776.01/MSFTP544US	1907

27195 7590 01/24/2007
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EXAMINER

PARKER, BRANDON

ART UNIT PAPER NUMBER

2174

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	01/24/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary

Application No.

10/801,799

Applicant(s)

MACLAURIN ET AL.

Examiner

Brandon Parker

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 16 March 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-23 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-23 is/are rejected.
- 7) ☒ Claim(s) 3, 21, and 22 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date <u>6/18/2004</u> | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claims 1-23 are presented for examination.

Claim Objections

Claims 3, 21, and 22 are objected to under 37 CFR 1.75(c), as being of improper dependent form for failing to further limit the subject matter of a previous claim. Applicant is required to cancel the claim(s), or amend the claim(s) to place the claim(s) in proper dependent form, or rewrite the claim(s) in independent form: "curser" may be assumed to be "cursor" for consistency of the claims.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claim 1-23 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

With respect to claim 1,

Claim 1 recites, "a control component that selectively animates" in the 4th line of the claim and "having metadata tags that describe two or more data" in the 2nd line of the claim. Additionally, claim 5 recites, "transitional animation that is employed to visually link movement" in the 2nd line of the claim. Additionally, claim 6 recites, "selected preview image that is integrated" in the 1st line of claim. Additionally, claim 9 recites, "a set of preference controls that can change" in the 2nd line of claim.

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Additionally, claim 10 recites, "one or more subcomponents that can be previewed" in the 1st line of claim. The term "**that**" is vague and renders the claims indefinite because pronouns make the claim ambiguous as to the metes and bounds. Claims 2-15 are dependent on claim 1 therefore the dependent claims are rejected for at least the same reasons.

With respect to claim 16,

Claim 16 recites, "A system that facilitates information preview" in the 1st line of the claim. Additionally claim 20 recites, "a display that is about the same size as the stack" in the 2nd line of the claim. The term "**that**" is vague and renders the claims indefinite because pronouns make the claim ambiguous as to the metes and bounds. Claims 17-23 are dependent on claim 16 therefore the dependent claims are rejected for at least the same reasons.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-23 are rejected under 35 U.S.C. 102(b) as being anticipated by Card et al (

US Patent No. 7,069,518) ('Card hereinafter)

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With respect to claim 1 and 15

- it may be helpful to view (**i.e. preview**) different portions of long lists of items (**i.e. collection, e.g. electronic documents**) together, for example, an index or table of contents (**i.e. metadata**) of a book (**i.e. display object**) (**Card Col 10 line 7-10**)
- Also disclosed is a computer program product comprising a computer usable medium (**i.e. computer readable medium**) having computer readable code (**i.e. computer readable instructions**) embodied therein for producing images of a virtual three-dimensional book (**Card Abstract**)
- In order to permit optimal functionality with simple gestures, the user may change the size and position of **objects** by, for example, holding down a mouse (**i.e. control component**) button while moving (*e.g. mouse movement*) across the image of the object (**i.e. a control component selectively animates a presentation of the items based in part on the metadata tags**) (**Card Col 9 lines 55-59**)
- The act of opening to the next or previous page is shown as an **animation** of the page flipping within the **view of the user** (**i.e. animates a presentation of the items based in part and detected user activities**) (**Card Col 12 lines 20-23**)

With respect to claim 2

- Using, for example, a mouse or other suitable input device (**i.e. one or more controller inputs to control the presentation of the items**), the user may

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activate a tilting function to rotate the page in **three-dimensional** space about a horizontal axis at the middle of the virtual page (Card Specs Col 16 lines 6-10)

With respect to claim 3,

- by moving the **cursor** back and forth, the user can very selectively **control** the flipping of the page (**.e. the controller inputs include at least one of a mouse cursor to control the presentation of items**) (Card Specs Col 12 lines 37-43)

With respect to claim 4,

- when the entire page (**i.e. the collection of data items**) is viewed at once the text or image may not be sufficiently magnified for use. The user, therefore, selects a specific position (**i.e. a top item**) on the page, resulting in an animation of zooming in (**i.e. displayed in an expanded size preview**) toward that particular part of the page. Once the zoom is complete the selected area is sufficiently magnified for use (Card Specs Col 15 lines 45-55)

With respect to claim 5,

- When **transitioning** the view from page 310 (i.e. items, e.g. electronic documents) of the book to its facing page 320 (**i.e. change in display icon**) the book metaphor can be used to provide an **animation** of the book 300 being turned in a rocking motion as shown in FIG. 3B. **Animating the transition** from the *static state 310 to the static state 320* (or vice versa) (**i.e. visually link movement**) aids the user in interpreting these states as two views of a single object (**i.e. change in display icon**) (Card Drawing Fig 3B, Specs Col 6 lines 49-55)

With respect to claim 6,

- The use of the *side edge of the big book* (i.e. a **collection icon as a reminder of collection contents**) could be used with the **selection** of text on the visible page (page in view of the user) and request that the edge of the book provide a **visualization (i.e. selected preview image)** that describes some relationship between the selected text and the content of the book (**Card Specs Col 21 lines 50-55**)

With respect to claim 7,

- FIG. 13 is a flow chart of the processing of a three-dimensional book for viewing as a user performs certain commands with the program (i.e. **command detector**) (**Card Spec Col 13 lines 10-15**)

With respect to claim 8, 9, and 11,

- The present invention relates to the field of image display systems, and, in particular, user interfaces (i.e. **graphical user interface**) for the **display** and operation of large-scale informational sources, such as hypertext, **three-dimensional books (i.e. items can be preview in three-dimensional form)**, databases, and other repositories of information (**Card Specs Col 1 lines 34-38**)
- To view (i.e. **preview visualization**) another portion of the page, the user indicates by a control (such as a button press or mouse movement) for an animated zooming out to the full page view (i.e. **selectively animate the presentation of items**) (**Card Specs Col 15 lines 50-55**)

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- Users or readers of information must accustom themselves to the **controls (i.e. preference controls)** for **accessing** and interacting (**i.e. preview visualization and access behaviors**) with the electronic information (**Specs Col 1 lines 45-49**)

With respect to claim 10 and 16

- A typical method of **displaying (i.e. means for displaying)** an electronic document (**i.e. a set of information items**) is to represent the document as a continuous scroll with an associated scroll-bar (**i.e. means for previewing based upon incremental or decrementing the value**) for advancing the displayed representation. (**Specs Col 3 lines 63-67**) **It is inherent that a value is selected and detects a value when using a scroll bar scrolls down a set of information items (i.e. means for selecting and detecting)**
- The scanning operation may include the optical character recognition of the document so that both the graphical information (digitized images of the pages) and contextual information (a text file of the document) (**i.e. one or more subcomponents**) from the document may be stored together or otherwise linked (**Specs Col 1 lines 53-58**)
- The use of the side edge of the big book could be used with the **selection** of text on the visible page (page in view of the user) (**i.e. previewed**) and request that the edge of the book provide a visualization (**i.e. display**) that describes some relationship between the selected text and the content of the book (**Specs Col 21 lines 50-55**)

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With respect to claim 12,

- FIG. 5B illustrates, by way of example, three (**i.e. collection**) thumbnail (**i.e. subsequent preview**) size slide-out pages 440 placed in bin 510. (**i.e. global controls for collecting unrelated items in a set of items to subsequently preview the items**) (**Specs Col 8 lines 25-30**) It is inherent that the items are **unrelated** because it does not change the scope of the invention which is disclosed by Card.

With respect to claim 13

- A large page (**i.e. item**) size of, for example, 6" **scaled down** from the 11" page size, is readable for a user using a magnification function, which increases the size of a desired portion of the image (**i.e. to be previewed**). The magnification function will be discussed below. (**i.e. controls to scale the items to be previewed**)(**Specs Col 6 lines 64-68**)

With respect to claim 14,

- the document is divided into sections, wherein the degree of interest function has been used to warp the correlation between a position in a document and a scroll bar position (**i.e. rough position**) on scroll bar 1400. For example, in scroll bar 1400, section 4, the current section, is accorded a larger portion of the scroll bar than are sections 1 and 10 (**i.e. collection of items**). Optionally, sub-section information may be provided for a section with a high degree of interest, as shown for section 4 in scroll bar 1400. A slider 1405 is provided for navigating with scroll bar 1400.

With respect to claim 17, 18, 19, 20, and 21

- For slow flipping speed, i.e., where the user does not move the cursor (**i.e. first control**) far after initiating the page flipping process, a full animation is provided to show each individual page flipping. In this way, all information for the displayed (**i.e. information preview**) page is mapped (**i.e. find a approximately position on the stack**) onto the flipping page. Further, by moving the cursor (**i.e. second control**) (**i.e. control by the wheel of the mouse**) back and forth, the user can very **selectively control** (**i.e. selecting a stack via a cursor or e.g. first control**) the flipping (**i.e. cycling the stack**) of the page (**i.e. display items**) by, for example, stopping it in mid-flip, or moving the flipped page back and forth (**i.e. transitional display for at least two items in accordance with the second control**) (**i.e. control by cursor from mouse**). (Specs Col 12 lines 35-45) It is an inherent feature that an information preview would be at least one of a display that is about the same size as the stack, smaller than the stack, or larger than the stack.

With respect to claim 22 and 23,

- The present invention relates to the field of image display systems, and, in particular, user interfaces (**i.e. graphical user interface**) for the **display** and operation of large-scale informational sources, such as hypertext, **three-dimensional books** (**i.e. a group of pages**), databases, and other repositories of information (**Card Specs Col 1 lines 34-38**)

- To view another portion (**i.e. a display object**) of the page, the user indicates by a control (such as a button press or mouse movement) for an animated zooming out to the full page view. (**Card Specs Col 15 lines 50-55**)
- The position of a pointing device such as a mouse (**i.e. axial controller**) may be indicated by a cursor 1805. The user may also click and drag the **cursor** over the portion of the **display** which is of interest to the user (**i.e. select the group of pages**); (**Specs Col 16 lines 18-23**)
- Further, by moving the cursor back and forth, the user can very **selectively control** the flipping (**i.e. cycling the group of pages**) of the page (**i.e. display items**) by, for example, stopping it in mid-flip, or moving the flipped page back and forth (**Specs Col 12 lines 35-45**) **The group of pages and stack are interpreted to be used interchangeably.**
- Since corner flipping does not require page content data, it does not require as much processing time as full or partial page flipping (**i.e. transitions of cycling**). Thus, it may be processed and performed quickly. The **animation** can include accumulations of curled pages (**i.e. group of pages**) in order to keep with the three-dimensional book metaphor (**Specs Col 3 lines 5-10**)

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure which relate to a determining template icons for document applications.

US Patent 6437800 discloses data processing in video display by displaying information about objects at which a cursor is pointing.

US Patent 5307086 discloses a method of implementing a preview window in an object oriented programming system.

US Patent 6054989 discloses methods, apparatus and data structures for providing a user interface, which exploits spatial memory in three dimensions.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brandon Parker whose telephone number is 571-270-1302. The examiner can normally be reached on Monday thru Friday 7:30am - 5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gary Jackson can be reached on 571-270-1279. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Brandon Parker
Patent Examiner
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1/9/2007



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